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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicant : Cem Basceri
Serial No. : 09/903,160
Filed : July 11, 2001
Title : CAPACITOR WITH HIGH DIELECTRIC CONSTANT MATERIALS
AND METHOD OF MAKING
Docket : MIO 0062 PA (99-0426; 98-1296)
Examiner : Owens, Douglas W.
Art Unit : 2811

Assistant Commissioner for Patents
Washington, DC 20231

CERTIFICATE OF FACSIMILE TRANSMISSION
I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark
Office (Fax No. 703/872-9314) on June 13, 2002.

Julie G. Cope
Attorney - Julie G. Cope

Reg. No. 48,624

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Sir:

JUN 13 2002

AMENDMENT

This paper is being filed in response the office action mailed on April 22, 2002.

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Reconsideration is respectfully requested in light of the amendments and remarks below.

CLEAN VERSION OF THE AMENDMENTS

A version of the claims showing the markings is provided in a separate appendix
attached to this paper.

In the Claims

Please cancel claims 30-37.

39. (New) A method for forming a capacitor comprising: providing a non-oxide electrode selected from the group consisting of TiN, TaN, WN, and W, in a deposition chamber oxidizing an upper surface of said non-oxide electrode in an atmosphere containing a gas plasma generated from a gas selected from the group consisting of O₂, O₃, H₂O, and N₂O, in the same deposition chamber depositing a high dielectric constant oxide dielectric material selected from the group consisting of Al₂O₃, Ta₂O₅ and Ba_xSr_(1-x)TiO₃ on the oxidized surface of said non-oxide electrode, and depositing an upper layer electrode on said high dielectric constant oxide dielectric material.

FACSIMILE COVER SHEET**TO: Examiner Douglas W. Owens, Art Unit 2811**Company: Assistant Commissioner for Patents
Fax No.: 703/872-9318**FROM: Julie G. Cope, Reg. No. 48,624/amm**

Date: June 13, 2002

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Patents, Trademarks and Related Matters

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